

Application No. 10/665245
Examiner: B. Avery
Art Unit 3618
Office Action dated June 7, 2005

IN THE CLAIMS

Amendments To The Claims:

This Listing of Claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) An engine mounting structure of a low floor type vehicle comprising:
a longitudinal V-type engine mounted below a low floor, the V-type engine including a crankcase, and
a body frame comprising a head pipe, right and left upper frames extended backward and downward from the head pipe, right and left down frames extended downward from the head pipe and coupled to a front of the crankcase of the V-type engine, wherein the body frame is a diamond type frame suspending the V-type engine;
right and left low floor supporting frames fixed to lower parts of the right and left down frames, respectively, and the low floor is supported by the right and left low floor supporting frames;
wherein the longitudinal V-type engine further comprises a front cylinder and a rear cylinder,
wherein [[the]] a banking angle between the front cylinder and the rear cylinder of the V-type engine is approximately equal to or exceeding greater than approximately 90°, and
the V-type engine is arranged with [[the]] a bisector of the banking angle directed toward the head pipe of the body frame.
2. (canceled)
3. (Currently amended) The engine mounting structure of claim 1 2, wherein the front cylinder extends in front of the pair of right and left down frames.
4. (Currently amended) The engine mounting structure of claim 1 2, wherein the rear cylinder is between the right and left upper frames.

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5. (Original) The engine mounting structure of claim 1, further comprising a fuel tank, and an air intake system, wherein the air intake system is between the cylinders and the fuel tank is arranged above the intake system.

6. (Original) The engine mounting structure of claim 1, wherein the banking angle between the front cylinder and the rear cylinder of the V-type engine is equal to 90°.

7. (Original) The engine mounting structure of claim 1, wherein the engine adds to the strength of the frame.

8. (Currently Amended) A low floor type vehicle comprising:
a diamond type frame, the frame including a head pipe, right and left upper frames extended backward and downward from the head pipe, right and left down frames extended downward from the head pipe and coupled to a front of a crankcase of an engine;
right and left low floor supporting frames fixed to lower parts of the right and left down frames, respectively, and a low floor is supported by the right and left low floor supporting frames;
and
wherein the engine is mounted on the frame means for lowering an engine below the a low floor of the low floor type vehicle.

9. (Currently Amended) The low floor type vehicle of claim 8,
wherein the ~~means for lowering an engine~~ comprises a longitudinal V-type engine with a front cylinder and a rear cylinder and wherein [[the]] a banking angle between the front cylinder and the rear cylinder of the V-type engine is approximately equal to or exceeding greater than approximately 90°.

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10. (Original) The low floor type vehicle of claim 9, further comprising:
an air intake system,
wherein the air intake system is between the cylinders.
11. (Original) The low floor type vehicle of claim 9, wherein the longitudinal V-type engine is suspended by the diamond type frame.